

CURRICULUM VITAE

Dr. A.M.R.G.ATHAPATHTHU

Permanent Address: No 31, Gannoruwa Housing Scheme, Gannoruwa, Peradeniya, Sri Lanka.

Present Address: 1-402, Hiroshima University Staff Residence (Gagara), 2-365 Kagamiyama, Higshi-Hiroshima, 739-0046, Japan

Present Contact Information

Telephone office : +81824247785

Mobile: +819075096453

Email: athapaththu2000@yahoo.com ; rasikaathapaththu@gmail.com ; rasika@hiroshima-u.ac.jp



PERSONAL DETAILS

Full Name: Athapaththu Mudiyanseleage Rasika Geethapriya Athapaththu

Date of Birth: 04-06-1973

Sex: Male

Nationality : Sri Lankan

Material Status: Married

ACADEMIC QUALIFICATIONS

Qualification	Year of Graduation/Institution	Specialization
Doctor of Engineering (D. Eng) (Research basis)	2007, Hiroshima University, JAPAN FULL TIME(3yrs) by Research	Geotechnical Engineering
Master of Philosophy (MPhil) (Research basis)	2003, University of Peradeniya, SRI LANKA FULL TIME(2yrs & 6 Months) by Research	Geotechnical Engineering
Bachelor of the Science of Engineering (BSc Eng)(Hons)	1999, University of Peradeniya, SRI LANKA FULL TIME(4yrs)	Civil Engineering

SCHOLARSHIPS & AWARDS

Monbukagakusho Scholarship, **Japan** (From 2004 to 2007)

Asian Development Bank Scholarship, **Sri Lanka** (From 2000 to 2002)

WORK EXPERIENCE**TEACHING EXPERIENCE**

From	To	Position	Institution/University
May 2013	to date	Assistant Professor	Hiroshima University, Graduate School of Engineering
Oct 2011	Jan 2013	Senior Lecturer	Caledonian College of Engineering, Department of Built and Natural Environment, Sultanate of Oman. (Affiliated to Glasgow Caledonian University, Scotland)
June 2010	Oct 2011	Lecturer	Curtin University of Technology, Civil and Construction Engineering, School of Engineering, Miri, Sarawak, Malaysia. (A branch of Curtin University , Australia)
Oct 2007	June 2010	Senior Lecturer	University of Ruhuna, Department of Civil and Environmental Engineering Galle, Sri Lanka.
Aug 2002	Apr 2003	Instructor	University of Peradeniya, Sri Lanka
Aug 1999	Apr 2000	Instructor	University of Peradeniy, Sri Lanka

Subject Taught/Teaching

- Geotechnical Engineering (Year 2 to Year 4)
- Engineering Geology and Soil Mechanics
- Highway Engineering Design
- Engineering Survey
- Construction Technology (Year 1)
- Water Engineering (Year 3)
- Geotechnical/Material/Survey/Autocad/Water Engineering Laboratories

Teaching and Learning courses:

Certificate of Teaching and Learning Course, Caledonian College of Engineering, Oman (2012)

Certificate of Foundation of Teaching and Learning, Curtin University, Miri, Malaysia (2010)

Certificate of Professional Development in Higher Education, University of Ruhuna, Sri Lanka, (2009)

RESEARCH EXPERIENCE (Full Time)

Oct 2004 to Sep 2007	Doctorial Researcher , Hiroshima University , Japan	Geotechnical Engineering related research	36 Months (3 years)
April 2000 to August 2002	Researcher, University of Peradeniya, Sri Lanka	Engineering Geology and Geotechnical Engineering	30 months (2 years and 6 months)

Research Interests

Ground improvement techniques/Engineering behaviour of peat/Slope Stability and erosion control on vegetated slopes/ Development of Prediction models using ANN./ Engineering Geology and geological properties of Residual soils, rocks/Foundation Engineering

Research Projects completed /Continuing

- Use of Electro-osmosis Phenomena for Stabilization of Peat (co-supervised a PhD student 60% of contribution) 2010/2011
- Study on the behaviour of organic soils and peat for lightweight structures 2011
- Development of Artificial Neural network model for prediction of cut slope failures (2 phases completed, developed a software) 2009/2010
- A study to investigate effect of roots on stability of slopes 2009/2010/2011

Publications

(List of publications are attached below)

INDUSTRIAL EXPERIENCE (Full Time)

May 2003 to Aug. 2004	Position: Project Engineer (Geotechnical) Engineering Design Centre, University of Peradeniya, Peradeniya, Sri Lanka	<ul style="list-style-type: none"> ➤ Carried out geological investigation of site , collected undisturbed /disturbed samples for laboratory tests ➤ Carried out laboratory tests and prepared test reports and stability analyses ➤ Investigated landslide prone areas ➤ Prepared the interim reports and final report 	(1 year and 4 months)
-----------------------	---	--	-----------------------

Industrial Exposure/Consultancies (Part Time)**Geotechnical Engineer (part time)- August 2003 to Jan. 2004**

University Team, Upper Watershed Management Project-Landslide Investigation, Peradeniya, Sri Lanka. (Field investigation, laboratory tests, Analyses, report preparations)

Civil Engineer/Structural Engineer (part time)- Sep 1999- Sep 2002

CAD HOME PVT LTD, Peradeniya, Sri Lanka (structural and geotechnical designs)

Supervisor (part time)- March 2010-June 2010

Colombo-Kandy Highway project, Sri Lanka

Supervised traffic survey, prepared volume count and OD survey reports

LEADERSHIP /SERVICE

- Admission Tutor, Caledonian College of Engineering, Oman (2012)
- Leader of Soft Soil and Structures Research Group, Curtin University Sarawak, Malaysia,(2011)
- Departmental coordinator for Curtin Open Day, Curtin University Sarawak, Malaysia,(2010)
- Departmental coordinator for Safety and Laboratory Committee Curtin University Sarawak, Malaysia, (2011)
- Senior student Councillor, Faculty of Engineering University of Ruhuna, Sri Lanka (2009)
- Treasurer, Ruhuna Engineering Faculty Teacher's Association (2009)
- Part time Academic Sub-Warden of Akbar Hall, University of Peradeniya (2001)
- Organizing committee member of Engineering Jubilee Congress,University of Peradeniya, Sri Lanka. (2000)
- Coordinator of National Environmental Forum Uva Province,Sri Lanka (1999-2000)
- Member of Hantana Conservation Society, Sri Lanka (1995-1999)

MEMBERSHIPS IN PROFESSIONAL BODIES

Graduated Member of ICE (C.Eng in process)
 Associate Member of Institute of Engineers Sri Lanka (IESL)
 Member of Sri Lankan Geotechnical Society (SLGS)
 Member of Japanese Geotechnical Society (JGS)
 Member of Japanese Society of Civil Engineers (JSCE)
 Associate Member of Geological Society of Sri Lanka (GSSL)
 Associate Member of Structural Engineers, Sri Lanka (SES)

I, the under sign, certified that, to the best of my knowledge and belief, the bio-data correctly described myself, my qualifications and my experience. I understand that any willful mis-statement describe herein may lead to my disqualification or dismissal, if engaged.

A.M.R.G. Athapaththu. (02-06-2013)

PUBLICATIONS**Doctorial Thesis**

A Study on In-situ Strength Evaluation of Natural Masado Slopes by Light weight Dynamic Cone Penetrometer, Hiroshima University, Hiroshima, Japan, 2007.

MPhil Thesis

Variation of Geotechnical Properties in Some Weathering Profiles of Sri Lanka, University of Peradeniya, Peradeniya, Sri Lanka, 2003.

List of Refereed Journals

- [1]. Athapaththu, A.M.R.G., Chamilani R.M.N.S., Chathurani G.W.H., and Perera M.G.N.S : **Use of Artificial Neural Network Techniques to Predict the Rain Induced Cut Slope Failures**, Journal of Institute for Construction Training and Development, Vol IX, pp 1-8, 2011
- [2]. Tsuchida, T., Athapaththu, A.M.R.G., Kano, S. And Suga, K. : **Estimation of In-situ Shear Strength Parameters of Weathered Granitic (Masado) Slopes Using Lightweight Dynamic Cone Penetrometer** , Soils and Foundations , Japanese Geotechnical Society, Vol 51, No. 3, pp 497-512, 2011.
- [3]. Athapaththu, A.M.R.G., Kumara M.A.C, Gamage E.G.Y.R, Nimalasena K.P.N.S : **Guinea Grass as a Technical Solution for Stabilisation of Slopes in Sri Lankan Roadways**, Journal of Institute for Construction Training and Development, (ICTAD), Vol VIII, Section I, pp. 08-13, 2010.
- [4]. Athapaththu, A.M.R.G., Tsuchida, T., Suga, K., and Kano, S. : **A Lightweight Dynamic Cone Penetrometer for Evaluation of Natural Masado Slopes** , Journal of Japanese Society of Civil Engineers-JSCE , Vol.63, No.2, pp.403-416, 2007.
- [5]. Athapaththu, A.M.R.G., Tsuchida, T., Suga, K., Nakai, S., and Takeuchi, J. : **Evaluation of in-situ Strength Variability of Masado Soils**, Journal of Japanese Society of Civil Engineers-JSCE, Vol. 63, No. 3, pp. 848-861, 2007.

List of Refereed International Conference Proceedings

- [6]. Athapaththu, A.M.R.G., Tsuchida, T., Sato, T., and Suga, K. : **Evaluation of Insitu Shear Strength of Natural Masado Slopes**, Geotechnical Division- ISOPE 2006, San Francisco, International Offshore and Polar Engineering, Vol. 2, pp. 324-331, 2006.
- [7]. Athapaththu, A.M.R.G., Tsuchida, T., and Suga, K. : **Determination of Shear Strength Parameters of Natural Masado Slopes**, International Offshore and Polar Engineering ISOPE 2007, Vol.2, pp. 1205-1212, Lisbon, 2007.
- [8]. Tsuchida, T., Athapaththu, A.M.R.G., Kano, S., And Suga, K. : **Evaluation of In-Situ Shear Strength of Natural Slopes Vulnerable to Heavy Rainfall by Lightweight Dynamic Cone Penetrometer**, Proceedings of the 2nd International Conference on Geotechnical Engineering for Disaster Mitigation & Rehabilitation (GEDMAR08),2008, Nanjing, CHINA
- [9]. Athapaththu, A.M.R.G., Tsuchida, T., Suga, K., Sato, T. : **Investigation of Spatial Variability of Natural Masado Slopes**, 5th Int. Conf. on Civil and Env. Engng, Hiroshima, ICCEE 2006, pp. 67-78, 2006.

- [10]. Athapaththu, A.M.R.G., Tsuchida, T., Sato, T., and Suga, K. : **A Lightweight Dynamic Cone Penetrometer for the Investigation of Natural Masado Slopes**, 4th Int. Conf. on Civil and Env. Engng., ICCEE 2005, Hiroshima University, pp. 279-284, 2005.
- [11]. Athapaththu, A.M.R.G., Tsuchida, T., Suga, K. : **Geo-statistical Analysis of the Spatial Variability of Masado Formations**, Symposium of the Japanese Geotechnical Society, Kagoshima, Japan , No.139, pp. 107-112, 2006.
- [12]. Suga, K., Athapaththu, A.M.R.G., Tsuchida, T., and Sato, T. : **Evaluation of Strength Parameters of Natural Masado Slopes**, Symposium of the Japanese Geotechnical Society, Kagoshima, Japan, No138, pp. 101-106, 2006.

List of Conference Publications

- [13]. Athapaththu, A.M.R.G., Tsuchida, T., and Suga, K. : **Assessment of potentially hazardous zones in Masado slopes**, 42nd Japan National Conference on Geotechnical Engineering , Nagoya, pp. 78-79, 2007.
- [14]. Athapaththu, A.M.R.G., Tsuchida, T., and Suga, K. : **Measurement of Strength of Masado Soil by Lightweight Dynamic Cone Penetration Test and Application to Risk Assessment of Natural Slopes**, Tsuchi-to-Kisa, Japanese Geotechnical Society, Vol. 55, No.6(593), JGS, pp. 27-29, 2007 (in Japanese).
- [15]. Athapaththu, A.M.R.G., Tsuchida, T., Kano, S., Sato, T., and Suga, K. : **Strength Estimation of Natural Masado Slopes Using Lightweight Dynamic Cone Penetration Test**, 41st Japan National Conference on Geotechnical Engineering ,Kagoshima, Japan, pp. 177-178, 2006.
- [16]. Athapaththu, A.M.R.G., Tsuchida, T., Sato, T., Suga, K., and Tanaka, A. : **Application of Light-Weight Dynamic Cone Penetration Test for Natural Masado Slopes**, Paper No. 79, 40th Japan National Conference on Geotechnical Engineering , Hakodate, pp. 159-160, 2005.
- [17]. Athapaththu AMRG, Seneviratne HN , Jayawardena UdeS: **A study to develop a classification system for insitu weathering profiles of gneissic rocks in Sri Lanka**, Young Geotechnical Engineers Conference 2002, SLGS, PP 13-16, 2002.
- [18]. Athapaththu AMRG, Seneviratne HN , Jayawardena UdeS : **Insitu Weathering Profiles of Sri Lankan Metamorphic Rocks: A study to Develop a Classification System for Gneissic rocks**, Proceeding of the Annual Research Sessions, Vol 6, University of Peradeniya, Sri Lanka, 2002
- [19]. Tsuchiizu, S., Suga, K., Athapaththu, A.M.R.G., and Tsuchida, T : **Applicability of Lightweight Dynamic Cone Penetration tests for Investigation of Natural Masado Slopes**, 42nd Japan National Conference on Geotechnical Engineering , Nagoya, pp. 75-76, 2007 (in Japanese).
- [20]. Sato, T., Tsuchida, T., Suga, K., and Athapaththu, A.M.R.G. : **Relationship between cone resistance by Lightweight Dynamic Cone Penetrating Test and Strength Parameter of Masado Soils**, 41st Japan National Conference on Geotechnical Engineering ,Kagoshima, pp.179-170, 2006 (in Japanese).

- [21]. Sato, T., Suga, K., Athapaththu, A.M.R.G., and Tsuchida, T. : **Evaluation of the Penetration resistance by Lightweight Dynamic Cone Penetrometer**, 40th Japan National Conference on Geotechnical Engineering , Hakodate, pp.157-158, 2005 (in Japanese).
- [22]. Vincent Tee Ling Ho, Athapaththu A.M.R.G : The Study of the Effect of Vegetation on Slope Stability, 3rd Curtin University of Technology Science and Engineering (CUSTE) International Conference, Nov 8-9, 2011, Malaysia.
- [23]. Sim Yuan Teng, Athapaththu A.M.R.G.: Improvement on Engineering Properties of Peat with Palm Oil Clinker, 3rd Curtin University of Technology Science and Engineering (CUSTE) International Conference, Nov 8-9, 2011, Malaysia
- [24]. Wong Mee Ling, Athapaththu A.M.R.G., Study on Geotechnical Properties of Various Mix Proportions of Tropical Peat and Cement to assess the Suitability for Pavements, 3rd Curtin University of Technology Science and Engineering (CUSTE) International Conference, Nov 8-9, 2011, Malaysia.